

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention by containing a kind of a whitening agent and a specific plant extract or two sorts or more, a kind chosen from an anti-inflammatory agent and an anti-oxidant, or two sorts or more of drug effect agents, concerning skin external preparations, It is related with skin external preparations which have the whitening effect which the improvement of silverfish and a freckle and the skin were somber and was [improvement effect] excellent, such as cosmetics and external use drugs. By containing an ultraviolet-rays protective agent, the inflammation of the skin produced by suntan etc., melanism, and pigmentation are prevented and improved, and it is related with the skin external preparations which reveal higher whitening effect.

[0002]

[Description of the Prior Art] Conventionally, to skin external preparations, such as a milky lotion, cream, face toilet, a pack, a charge of washing, ointment, and dispersion liquid. In order to prevent phenomena produced by the melanism of the skin produced by suntan etc. in these, and pigmentation, such as silverfish and a freckle, whitening agents, such as L-ascorbic acid, glutathione, hydroquinone, and a placenta extract, are blended.

[0003]

[Problem(s) to be Solved by the Invention] However, in the skin external preparations which blended these whitening agents independently, the effect of a whitening agent is not enough, or it deteriorates in pharmaceutical preparation, expected drug effect is not obtained in many cases, and the improvement was desired.

[0004]

[Means for Solving the Problem] As a result of inquiring wholeheartedly so that this invention persons may raise an effect of a whitening agent of skin external preparations, a whitening agent, It found out that extremely outstanding whitening effect would be demonstrated in a kind of a specific plant extract, two or more sorts and a kind of an anti-inflammatory agent and an anti-oxidant, or two sorts or more of drug effect agents if an ultraviolet-rays protective agent is combined further, and this invention was completed.

[0005] That is, this invention is the following ingredient (A), (B), and (C).;

(A) Whitening agent (B) Hoelen, a ginseng, Panax schinseng, althea, Arnica, an aloe, a nettle, a fennel, a witch hazel, curcmae rhizoma, Scutellaria baicalensis, a yellowfin tuna, a St. John's wort, a rice, an adder's-wort, chamomillae flos, Artemisia capillaris, a kiwi, a cucumber, Japanese honeysuckle, Clara, a grape, a gardenia, Watercress, a comfrey, a soapwort, a cactus, a white thorn, Rehmannia Root, A beefsteak plant, a peony, Betula alba, a field horsetail, Tilia miqueliana, a salvia, a sialid, A cnidium rhizome, a mulberry, soybeans, garden thyme, an angericae radix, Calendula officinalis, Houltuynia, a jujube tree, sambucus, parsley, Coix lacryma-joli, butcher's broom, A sponge gourd, Gama, hop, a horse chestnut, Melissa, a peach, creeping saxifrage, a bramble, Lavender, a Chinese milk vetch, Bala, Rosa polyantha, a rosemary, liquorice, tea, A lily, a barley, wheat, Angelica keiskei, an apricot, oats, corn, A mallow, MURASAKI, capsici fructus, ginger, lettuce, lemon, a quince, An orange, a strawberry, carthami flos, Buna, a gentian, a gentian, a mentha herb, spearmint, a peppermint, Sapindus mukurossi, a

eucalyptus, a common mallow, a low bamboo, *Asiasarum sieboldii*, Keirin wild ginger, a dead nettle, A burdock, a garlic, HAUCHIMAME, algarroba, a pine, an ivy, a cornflower, *Sanguisorba officinalis*, *C. apiifolia* var. *baternata* MAKINO, a meadowsweet, an avocado, *Cordyceps sinensis*, Squill, a grapefruit, a prune, a lime, a *Geranium thunbergii* Sieb. et Zucc., Shiitake mushroom, *Ononis spinosa*, torr MENCHIRA, a yuzu citron, a coptis root, a cypress, a button, *Ophiopogon planiscapus*, an olive, a sunflower, a jojoba, macadamia nuts, A kind or two or more sorts of plant extract (C) anti-inflammatory agents which are chosen from a meadowfoam, a camellia, an almond, cacao, sesame, Xia, and BORAJI, Skin external preparations containing a kind chosen from an anti-oxidant or two sorts or more and skin external preparations which contain (D) ultraviolet-rays protective agent further are provided.

[0006]

[Embodiment of the Invention] What is shown below is mentioned as a whitening agent which is the (A) ingredient of this invention.

[0007] Namely, ascorbic acid, its derivative, and those salts (what is generally called vitamin C), Cystein, its derivative, and its salts, such as N,N'-diacetyl cystine dimethyl, Hydroquinone, such as glove lysine, glabrene, Ricou Jiri Ching, isorIKUIRICHIN, a placenta extract, and arbutin, and the derivative of those, resorcinol and its derivative, glutathione, etc. are mentioned, and it may use combining these kinds or two sorts or more. Among these, as ascorbic acid, its derivative, and those salts, L-ascorbic acid and L-ascorbic acid alkyl ester, L-ascorbic acid phosphoric ester, It may be derivatives, such as L-ascorbyl sulfate, etc. and alkaline earth metal salt etc. which are these salts, such as alkali metal salt, such as sodium salt and potassium salt, calcium salt, and magnesium salt, may be sufficient. Specifically Pulmitic acid L-ASUKORUBIRU, dipalmitate L-ASUKORUBIRU, Isopulmitic acid L-ASUKORUBIRU, JIISO pulmitic acid L-ASUKORUBIRU, Tetraisopulmitic acid L-ASUKORUBIRU, stearic acid L-ASUKORUBIRU, Distearic acid L-ASUKORUBIRU, isostearic acid L-ASUKORUBIRU, JIISO stearic acid L-ASUKORUBIRU, myristic acid L-ASUKORUBIRU, Jimi Rith Ching acid L-ASUKORUBIRU, isomyristic acid L-ASUKORUBIRU, JIISO myristic acid L-ASUKORUBIRU, oleic acid L-ASUKORUBIRU, Gio Reign acid L-ASUKORUBIRU, 2-ethylhexanoic acid L-ASUKORUBIRU, L-ascorbic acid phosphoric acid ester sodium, L-ascorbic acid phosphoric ester potassium, L-ascorbic acid phosphoric ester magnesium, L-ascorbic acid phosphoric acid ester calcium, L-ascorbic acid phosphoric ester aluminum, L-ascorbic acid sulfuric acid ester sodium, L-ascorbyl sulfate potassium, L-ascorbyl sulfate magnesium, L-ascorbic acid sulfuric acid ester calcium, L-ascorbyl sulfate aluminum, Sodium L-ascorbate, L-ascorbic acid potassium, L-ascorbic acid magnesium, L-ascorbic acid calcium, L-ascorbic acid aluminum, etc. are mentioned.

[0008] The content to the skin external preparations of this invention of the whitening agent which is the above-mentioned (A) ingredient is 0.0001 to 10% preferably, and is 0.001 to 5% more preferably. If it is this range, the skin external preparations in which the more outstanding whitening effect is shown will be obtained. These can be used combining a kind or two sorts or more.

[0009] What shows below the plant extract which is the (B) ingredient of this invention is mentioned.

[0010] Namely, Hoelen, a ginseng, Panax schinseng, althea, Arnica, An aloe (a curacao aloe, an aloe vera), a nettle, a fennel, A witch hazel (*hamamelis*), *curcmae rhizoma*, *Scutellaria baicalensis* (*Scutellaria* root), A yellowfin tuna (cork tree bark), a St. John's wort, a rice (rice), an adder's-wort, *Chamomillae flos*, *Artemisia capillaris* (*Artemisiae capillaris flos*), a kiwi, a cucumber, Japanese honeysuckle (*Lonicera japonica* thunb), Clara (*sophorae radix*), a grape, a gardenia, watercress (Netherlands mustard), A comfrey (*Symphytum officinale*), a soapwort, a cactus, a white thorn,

Rehmannia Root, A beefsteak plant, a peony, the *Betula alba*, a field horsetail, *Tilia miqueliana*, a salvia (sage), A sialid, a cnidium rhizome, a mulberry (Mulberry bark), soybeans, garden thyme (time), An *angericae radix*, *Calendula officinalis*, *Houttuynia*, a jujube tree (*zizyphi fructus*), the *sambucus*, Parsley, *Coix lacryma-joli* (coix seed), butcher's broom, a sponge gourd, Gama (HOOU), hop, a horse chestnut, Melissa, a peach, creeping saxifrage, A bramble, lavender, a Chinese milk vetch, Bala, *Rosa polyantha* (Rose Fruit), a rosemary (rosemary), liquorice, tea (a green tea, a coach, oolong tea), a lily, a barley (malt root), wheat, *Angelica keiskei*, An apricot (apricot kernel), oats, corn, a mallow (marsh mallow), MURASAKI (*lithospermum radix*), capsici fructus, ginger, lettuce, lemon, a quince, An orange, a strawberry, *carthami flos*, Buna, a gentian, a gentian (*Gentiana scabrae Radix*), A mentha herb, spearmint (spearmint), a peppermint (peppermint), *Sapindus mukurossi*, a eucalyptus, a common mallow, a low bamboo, *Asiasarum sieboldii*, Keirin wild ginger, a dead nettle, a burdock, a garlic, HAUCHIMAME, Algarroba, a pine, an ivy, a cornflower, *Sanguisorba officinalis* (JIYU), *C. apiifolia* var. *bternata* MAKINO, a meadowsweet, an avocado, *Cordyceps sinensis*, and squill (a *Fucus vesiculosus* and *Laminaria japonica*.) Wakame seaweed, edible brown algae, a fucus, sea fan, a hornwort, *Nemacystus*, *Ishige okamurae*, *Endarachne*, *Akkesiphycus*, an oyster thief, a bell heather, *Hydroclathrus clathratus*, Agarum, *Costaria*, tangle flakes, a sea trumpet, TSURUARAME, *Alaria crassifolia* Kjellman, *Pelvetia*, Brown algae, such as RAPPAMOKU, phon DARAWA, *Sargassum ringgoldianum*, and a giant kelp; Agar-agar, *Ptilophora subcostata*, *Gelidium japonicum*, *Pterocladia tenuis* Okamura, *Meristotheca papulosa*, *Eucheuma*, the chondrus, Irish moss, *Gigartina tenellus*, SHIKINNORI, *Chondracanthus intermedius*, USUBANORI, *Bangia*, laver, *Scinaia japonica*, KAGINORI, *Dudresnaya japonica*, KATANORI, *Grateloupia filicina*, MATSUNORI, TOSAKAMATSU, a glue plant, *Hypnea charoides*, Ceylon moss, KAIMENSOU, *Palmaria*, *Ceramium kondoi*, *Campylaephora hypnaeoides*, *Martensia denticulata*, Red algae, such as HIMEGOKE; *Chlorella*, green laver, *Dunaliella*, chloro KOKKASU, ANAOSA, *Prasiola japonica*, MARIMO, SHIOGUSA, KASANORI, *Chaetomorpha spiralis*, Green algae, such as *Chaetomorpha moniligera*, *Monostroma nitidum*, and *spirogyra*; *Cyanobacterium* grapefruits, such as *Spirulina*, A prune, a lime, a *Geranium thunbergii* Sieb. et Zucc., shiitake mushroom, *Ononis spinosa*, torr MENCHIRA, A yuzu citron (*Rutaceae auranti-pericarpium*), a coptis root, a cypress, a button (Moutan bark), *Ophiopogon planiscapus* (*Ophiopogon Tuber*), An olive, a sunflower (safflower), a jojoba, macadamia nuts, a meadowfoam, a camellia, an almond, cacao, sesame, Xia, BORAJI (borage), etc. are mentioned, and it may use combining these kinds or two sorts or more. (In addition, the inside of () shows the kind of the vegetation, an alias, a crude drug name, etc.)

[0011](B) There is no restriction in particular in the extraction part of the plant extract of an ingredient, an extraction method, etc., being able to extract from the entire plant or a root, a stem, a trunk, a bark, a plumule, a leaf, a flower, fruits, a seed, etc., and desiccation, a fragment, squeezing, or fermentation processing these suitably, and using suitable vegetable various solvents -- low temperature or a room temperature - warming -- it can extract in the bottom.

[0012] as an extracting solvent, water; methyl alcohol, ethyl alcohol, etc. are low-grade, for example -- kinds, such as liquefied polyhydric alcohol, such as monohydric alcohol; glycerin, propylene glycol, and a 1,3-butylene glycol, or two sorts or more can be used. It can also extract using oleophilic solvents, such as hexane, acetone, ethyl acetate, and ether, in addition oily components, such as squalane, etc. can also extract. the obtained extract uses and refines [adsorb, decolorize and] filtration or ion-exchange resin -- solution form, paste state, and gel -- also suppose that it is powdered. As long as it is necessary,

purification treatment, such as deodorization and decolorization, may be further carried out in the range which does not have influence in an effect. Further, the filtrate obtained by filtering using ethyl alcohol of 20 to 80% (v/v) of hydrous concentration or a 1,3-butylene glycol as an example of a desirable extraction method after performing extraction for one to five days at a room temperature is neglected about one week, and is ripened, and the method of filtering again is mentioned.

[0013]The content of the plant extract which is the (B) ingredient in this invention is 0.0005 to 10% of the weight ("%" only shows hereafter) of a range preferably as a dry solid, and is 0.005 to 5% of range more preferably. If it is this range, the more outstanding whitening effect will be obtained. If the content of the dry solid which is a solute is in a mentioned range when using an extract, the extract concentration will not be limited at all.

[0014]On the other hand, although the (C) ingredient of this invention is chosen from an anti-inflammatory agent and an anti-oxidant, what is shown below, respectively is mentioned as a concrete drug effect agent.

[0015]As an anti-inflammatory agent, dipotassium glycyrrhizinate, mono- glycyrrhizate ammonium, etc., Glycyrrhizic acid, such as beta-glycyrrhetic acid, stearyl glycyrrhetic acid, and 3-succinyl oxy glycyrrhetic acid disodium, Or glycyrrhetic acid, those derivatives and those salts, mefenamic acid, Phenylbutazon, indomethacin, ibuprofen, ketoprofen, Allantoin, a GUAI azulene, calcium pantothenate, D-punt thenyl alcohol, Panthenol, such as punt thenyl ethyl ether and acetyl punt thenyl ethyl ether, those derivatives and those salts, epsilon-aminocaproic acid, diclofenac sodium, tranexamic acid, etc. are mentioned.

[0016]As an anti-oxidant, retinol and its derivatives, such as retinol palmitate and retinol acetate, Retinal and its derivative, dehydroretinal, carotene, a lycopene, Carotenoid, such as astaxanthin, and vitamin A; Thiamine hydrochloride, Thiamin sulfate, riboflavin, acetic acid riboflavin, pyridoxine hydrochloride, Pyridoxine, such as pyridoxine dioctanoate, flavin adenine dinucleotide, Nicotinic acid, such as cyanocobalamine, folic acid, nicotinamide, and nicotinic acid benzyl. Vitamin B, such as Kolin; Ergocalciferol, cholecalciferol, Vitamin D, such as a dihydroKISHISUTA knurl; DI-alpha (beta, gamma)-tocopherol, Acetic acid dl-**-tocopherol, nicotinic acid-dl-**-tocopherol, Vitamin E, such as tocopherol, such as linolic acid-dl-**-tocopherol and succinic acid dl-**-tocopherol, and a derivative of those, and ubiquinones, dibutylhydroxytoluene, berylhydroxyanisole, etc. are mentioned.

[0017]These anti-inflammatory agents and an anti-oxidant can be used combining a kind or two sorts or more.

[0018]Although the content of the above-mentioned (C) ingredient in the skin external preparations of this invention is different according to the kind of drug effect agent, it is preferred to consider it as the range shown below, respectively. That is, as content of an anti-inflammatory agent, it is 0.01 to 3% of range more preferably, and is 0.0001 to 3% of range 0.00001 to 5% as content of an anti-oxidant 0.0001 to 5% preferably. When it was this range and combines with (A), the (B) ingredient or (A), the (B) ingredient, and the (D) ingredient, (A) in pharmaceutical preparation and pharmaceutical preparation, (B), and the (D) ingredient are not affected, temporal stability can also be good and high whitening effect can be demonstrated.

[0019]As an ultraviolet-rays protective agent which is the (D) ingredient of this invention, Para methoxycinnamic acid-2-ethylhexyl, Para methoxycinnamic acid isopropyl, A PARAMETOKISHI hydro-cinnamic acid diethanolamine salt, JIPARA methoxycinnamic acid-mono-2-ethylhexanoic acid glyceryl, Cinnamic acid system ultraviolet ray absorbents, such as methoxycinnamic acid octyl and

diisopropyl methyl cinnamate, 2-hydroxy-4-methoxybenzophenone and 2-hydroxy-4-methoxybenzophenone 5-sulfuric acid, 2-hydroxy-4-methoxybenzophenone 5-sodium sulfate, 2,4-dihydroxybenzophenone, 2,2'-dihydroxy-4,4'-dimethoxybenzophenone, 2,2'-dihydroxy-4-methoxybenzophenone, 2,2',4,4'-tetrahydroxybenzophenone, Benzophenone series ultraviolet ray absorbents, such as 2-hydroxy-4-n-octoxybenzophenone, Benzoic acid series ultraviolet ray absorbents, such as p aminobenzoic acid, paraamino ethyl benzoate, butyl p aminobenzoate, Para dimethylaminobenzoic acid 2-ethylhexyl, p-aminobenzoic-acid glyceryl, and paraamino amyl benzoate, salicylic acid 2-ethylhexyl, Salicylic acid triethanolamine, salicylic acid gay menthyl, salicylic acid dipropylene glycol, A methyl salicylate, salicylic acid ethylene glycol, phenyl salicylate, Amyl salicylate, benzyl salicylate, salicylic acid isopropylbenzyl, Salicylic acid system ultraviolet ray absorbents, such as potassium salicylate, 4-t-butyl-4'-methoxydibenzoylmethane, 4-isopropylidibenzoylmethane, 4-methoxydibenzoylmethane, Dibenzoylmethane system ultraviolet ray absorbents, such as 4-t-butyl-4'-hydroxydibenzoylmethane, Menthyl O-amino benzoate, 2-phenylbenzimidazole 5-sulfuric acid, 2-phenyl-5-methylbenzoxanol, 3-(4-methylbenzylidene) camphor, 2-ethylhexyl 2-cyano 3,3-diphenyl acrylate, 2-ethyl-2-cyano 3,3'-diphenyl acrylate, 2-(2'-hydroxy-5-methylphenyl) benzotriazol, Urocanic acid system ultraviolet ray absorbents, such as anthranilic acid series ultraviolet ray absorbents, such as anthranilic acid menthyl, and ethyl urocanate, titanium oxide, zirconium oxide, cerium oxide, A zinc oxide etc. are mentioned.

[0020]As content of the ultraviolet-rays protective agent in the skin external preparations of this invention, it is 0.1 to 15% of range more preferably 0.01 to 20%. If it is this range, the inflammation of the skin produced by suntan etc., melanism, and pigmentation will be prevented and improved, and the skin external preparations in which the extremely outstanding whitening effect is shown are obtained.

[0021]In accordance with a conventional method, the skin external preparations of this invention can be blended with the base of the (A) ingredient, the (B) ingredient and the (C) ingredient, and various gestalten further known considering the (D) ingredient as usual skin external preparations, and can be prepared. For example, basic cosmetics, such as a milky lotion, cream, face toilet, a pack, and oil, It can be considered as external use drugs, such as a facial wash, the charge of whole body washing, foundation, face powder, makeup cosmetics of Hitoshi Shimoji for a makeup, ointment, and dispersion liquid, etc., and various gestalten, such as a liquid, the shape of a multilayer, the shape of a milky lotion, paste state, gel, a solid state, powder, and granularity, can be chosen.

[0022]In the range which does not spoil the effect of this invention to the skin external preparations of this invention other than the above (A), (B), (C), and the (D) ingredient. Usually, the ingredient used for pharmaceutical preparation, such as cosmetics, quasi drugs, external use drugs, Namely, water (purified water, hot spring water, deep sea water, etc.), oils, a surface-active agent, metal soap, A gelling agent, a granular material, alcohols, a water soluble polymer, a coat formation agent, resin, A clathrate, a moisturizer, an antimicrobial agent, perfume, a deodorizer, salts, PH regulator, a pick-me-up, an animal and an extract from microorganism, a plant extract, vitamins, amino acid, nucleic acid, hormone, a cell activator, a circulation accelerator, an astringent, an antiseborrheic drug, an active oxygen eliminating agent, a keratolytic drug, an enzyme, etc. -- suitably -- a kind -- or two or more sorts can add.

[0023]or [whether it is a natural system oil or that it will be synthetic oil as oils if used for the usual cosmetics] -- or, Hydrocarbon, lows, fatty acid, higher alcohol, ester oil, silicone oil, fluorine system oil, etc. can use any oils regardless of whether they are a solid, a semisolid, and a fluid and description. For example, ozocerite, squalane, squalene, a ceresin, paraffin, Paraffin wax, a liquid paraffin, pristane,

polyisobutylene, Hydrocarbon, such as microcrystalline wax and vaseline, yellow bees wax, Lows, such as a carnauba wax, a candelilla low, and spermaceti wax, beef tallow, neat's foot lipid, Beef bone fat, hardening beef tallow, hydrogenated oil, a turtle oil, lard, horse fat, a mink oil, liver oil, Animal oil [, such as yolk oil,], lanolin, liquefied lanolin, and reduction lanolin, lanolin alcohol, Hard lanolin, acetic acid lanolin, lanolin fatty acid isopropyl, POE lanolin alcoholic ether, POE lanolin alcoholic acetate, a lanolin fatty acid polyethylene glycol, Lanolin derivatives, such as POE hydrogenation lanolin alcoholic ether, lauric acid, Myristic acid, pulmitic acid, stearic acid, behenic acid, undecylenic acid, Oleic acid, linolic acid, arachidonic acid, eicosapentaenoic acid (EPA), Fatty acid, such as docosaheptaenoic acid (DHA), isostearic acid, and 12-hydroxystearic acid, lauryl alcohol, myristyl alcohol, palmityl alcohol, stearyl alcohol, behenyl alcohol, hexadecyl alcohol.Oleyl alcohol, isostearyl alcohol, a hexyldodecanol, An octyldodecanol, the cetostearyl alcohol, 2-decyltetradeci Norian, Cholesterol, a phytosterol, a sitosterol, lanosterol, Higher alcohol, such as POE cholesterol ether and monostearyl glycerin ether (batyl alcohol), Diisobutyl adipate, adipic acid 2-hexyldecyl, diheptylundecyl adipate, Mono- isostearic acid N-alkyl glycol, isostearic acid isocetyl, Tori trimethylolpropane isostearic acid, di-2-ethylhexanoic acid ethylene glycol, 2-ethylhexanoic acid Sept Iles, tri-2-ethylhexanoic acid trimethylolpropane, Tetra-2-ethylhexanoic acid pentaerythritol, octanoic acid Sept Iles, Octyldodecyl gum ester, oleic acid oleyl, oleic acid octyldodecyl, Oleic acid decyl, neopentylglycol dicaprate, triethyl citrate, succinic acid 2-ethylhexyl, amyl acetate, ethyl acetate, butyl acetate, stearic acid isocetyl, butyl stearate, diisopropyl sebacate, Di-2-ethylhexyl sebacate, lactic acid Sept Iles, lactic acid Millis Chill, Pulmitic acid isopropyl, pulmitic acid 2-ethylhexyl, pulmitic acid 2-hexyldecyl, Pulmitic acid 2-heptylundecyl, 12-hydroxystearylacid cholesteryl, Dipentaerythritol fatty acid ester, myristic acid isopropyl, Myristic acid octyldodecyl, myristic acid 2-hexyldecyl, Myristic acid Millis Chill, dimethyloctanoic acid hexyldecyl, lauric acid ethyl, Lauric acid hexyl, N-lauroyl L-glutamic acid-2-octyldodecyl ester, Ester oil, such as malate diisostearyl, aceto glyceride, TORISO octanoic acid glyceride, Tori isostearic acid glyceride, Tori Isopar RUMICHIN acid glyceride, Tri-2-ethylhexanoic acid glyceride, monostearin acid glyceride, Glyceride oils, such as di-2-heptylundecanoic acid glyceride and trimyristin acid glyceride, Dimethylpolysiloxane, a methylphenyl polysiloxane, methyl hydrogen polysiloxane, octamethylcyclotetrasiloxane, decamethyl cyclopentasiloxane, A dodecamethyl cyclohexa siloxane, tetramethyl tetrahydrogen cyclotetrasiloxane, Fluorine system oils, such as silicone oil, such as high-class alkoxy denaturation silicone, such as steer ROKISHI silicone, higher-fatty-acid denaturation silicone, silicone resin, silicone rubber, and silicone resin, perfluoro polyether, a perfluoro decalin, and perfluoro octane, are mentioned.

[0024]As a surface-active agent, although there is an active agent of anionic, cationicity, nonionic, and both sexes, As an anionic surface-active agent, fatty acid soap, such as sodium stearate and pulmitic acid triethanolamine, Carboxylate, such as condensation of alkyl ether carboxylic acid and its salt, amino acid, and fatty acid, Alkyl sulfonic acid, an alkene sulfonate, the sulfonate of fatty acid ester, The sulfonate of fatty acid amide, an alkyl-sulfonic-acid salt and the sulfonate of the formalin condensate, Alkyl-sulfuric acid ester salt, the second class fatty alcohol sulfate, alkyl, and allyltheareal sulfate ester salt, The sulfuric ester salt of fatty acid ester, the sulfuric ester salt of fatty acid ARUKI roll amide, Sulfuric ester salt, such as turkey red oil, an alkyl-phosphoric-acid salt, an ether phosphate, An alkyl allyl ether phosphate, an amide phosphate, a N-acylamino acid system active agent, etc.; as a cationic surface-active agent, Amine salt, such as an alkylamine salt, polyamine, and amino alcohol fatty acid derivatives, alkyl quarternary ammonium salt, aromatic quarternary ammonium salt, a pyridium salt,

imidazolium salt, etc.; As a nonionic surfactant, a sorbitan fatty acid ester, A glycerine fatty acid ester, polyglyceryl fatty acid ester, propylene glycol fatty acid ester, Polyethylene glycol fatty acid ester, sucrose fatty acid ester, polyoxyethylene alkyl ether, Polyoxypropylene alkyl ether, polyoxyethylene alkyl phenyl ether, Polyoxyethylene fatty acid ester, polyoxyethylene sorbitan fatty acid ester, Polyoxyethylene sorbitol fatty acid ester, polyoxyethylene glycerine fatty acid ester, Polyoxyethylene propylene glycol fatty acid ester, polyoxyethylene castor oil, Polyoxyethylene hydrogenated castor oil, polyoxyethylene phytostanol ether, Polyoxyethylene phytosterol ether, polyoxyethylene cholesterol ether, Polyoxyethylene cholesterol ether, polyoxyalkylene denaturation organopolysiloxane, Polyoxyalkylene alkyl covariance organopolysiloxane, alkanol amide, sugar ether, sugar amide, etc.; a betaine, aminocarboxylate, an imidazoline derivative, etc. are mentioned as an ampholytic surface active agent.

[0025]As metal soap, 12-hydroxyaluminum stearate, Zinc stearate, aluminum stearate, calcium stearate, Magnesium stearate, myristic acid zinc, myristic acid magnesium, cetyl-ether-phosphate zinc, cetyl-ether-phosphate calcium, cetyl-ether-phosphate zinc sodium, zinc laurate, zinc undecylenate, etc. are mentioned.

[0026]As a gelling agent, amino acid derivatives, such as N-lauroyl L-glutamic acid, alpha, and gamma-di-n-butylamine, Dextrin pulmitic acid ester, dextrin stearic acid ester, Dextrin fatty acid ester, such as dextrin 2-ethylhexanoic acid pulmitic acid ester, Sucrose fatty acid ester, such as sucrose pulmitic acid ester and sucrose stearic acid ester, Organic modified clay minerals, such as a benzyliene derivative of sorbitol, such as monobenzylienesorbitol and dibenzylienesorbitol, dimethylbenzyl DODESHIRUAMMONIUM montmorillonite clay, and dimethyldi octadecyl ammonium MOMMORIRONAITOKURE, etc. are mentioned.

[0027]if it is what is used for the usual cosmetics as a granular material -- the shape (a globular shape.) Regardless of a needle, tabular, ** and particle diameter (the shape of haze, particles, the paints class, etc.), and particulate structures (porosity, quality of nonporous, etc.), can use anything, for example, as inorganic powder, Magnesium oxide, barium sulfate, calcium sulfate, magnesium sulfate, Calcium carbonate, magnesium carbonate, talc, synthetic mica, mica, kaolin, A sericite, white mica, synthetic mica, phlogopite, lepidolite, black mica, lithia mica, Silicic acid, a silicic acid anhydride, aluminum silicate, a magnesium silicate, the magnesium aluminum silicate, A calcium silicate, silicic acid barium, silicic acid strontium, tungstic acid metal salt, Hydroxyapatite, a vermiculite, a HAIJI light, montmorillonite, Zeolite, ceramic powder, calcium diphosphate, alumina, aluminium hydroxide, boron nitride, boron nitride, etc.; as an organic granular material, Polyamide powder, polyester powder, polyethylene powder, polypropylene powder, polystyrene powder, polyurethane, benzoguanamine powder, polymethyl benzoguanamine powder, Tetrafluoroethylene powder, polymethylmethacrylate powder, Cellulose, silk powder, nylon powder, 12 nylon, 6 nylon, A styrene acrylic acid copolymer, a divinylbenzene styrene copolymer, Polyvinyl resin, urea resin, phenol resin, a fluoro-resin, silicone resin, An acrylic resin, melamine resin, an epoxy resin, polycarbonate resin, a micro crystallite textiles granular material, lauroyl lysine, etc.; as a colored pigment, Inorganic brown system paints, such as an inorganic red pigment of iron oxide, iron hydroxide, and titanate acid iron, and gamma-iron oxide, Inorganic black pigments, such as inorganic yellow system paints, such as yellow oxide of iron and ocher, black oxide of iron, and carbon black, Inorganic purple paints, such as manganese violet and cobalt violet, chromium hydroxide, Inorganic green pigments, such as chrome oxide, cobalt oxide, and titanate acid cobalt, Prussian blue, What rake-ized inorganic blue system paints, such as ultramarine, and

tar system coloring matter, the thing which rake-ized natural coloring matter, the composite powder which composite-ized these granular materials, etc.; as a pearl pigment, Titanium oxide covering mica, titanium oxide covering mica, bismuth oxychloride, titanium oxide covering bismuth oxychloride, titanium oxide covering talc, fish scale foil, titanium oxide covering coloring mica, etc.; as metal powder paints, Aluminum powder, kappa powder, stainless steel powder, etc.; as tar dye, The red No. 3, the red No. 104, the red No. 106, the red No. 201, the red No. 202, The red No. 204, the red No. 205, the red No. 220, the red No. 226, the red No. 227, The red No. 228, the red No. 230, the red No. 401, the red No. 505, the yellow No. 4, The yellow No. 5, the yellow No. 202, the yellow No. 203, the yellow No. 204, the yellow No. 401, The blue No. 1, the blue No. 2, the blue No. 201, the blue No. 404, the green No. 3, the green No. 201, The green No. 204, the green No. 205, the orange No. 201, the orange No. 203, the orange No. 204, the orange No. 206, orange No. 207, etc.; as natural coloring matter, The granular material which composite-ized these granular materials with the granular material chosen from carminic acid, a laccainic acid, cull SAMIN, brazilin, crocin, etc., or performed the surface treatment with oils, silicone, or a fluorine compound may be sufficient.

[0028]As alcohols, lower alcohol, such as ethanol and isopropanol, Glycerin, diglycerol, ethylene glycol, a diethylene glycol, Triethylene glycol, propylene glycol, dipropylene glycol, There are polyhydric alcohol, such as a 1,3-butylene glycol, sorbitol, erythritol, maltitol, malt sugar, xylitol, xylose, trehalose, inositol, glucose, mannitol, and a polyethylene glycol, etc.

[0029]As a water soluble polymer, chondroitin sulfate, hyaluronic acid, mucin, The mucopolysaccharide chosen from dermatan sulfate, heparin, and a keratan sulfate, and its salt, Gum arabic, tragacanth, galactan, carob gum, guar gum, Karaya gum, a carrageenan, pectin, agar, quince seed, ARUGE colloid, Vegetable system polymers, such as tolan TOGAMU, locust bean gum, and galactomannan, Microorganism system polymers, such as xanthan gum, dextran, SAKUSHINO glucan, and pullulan, Animal system polymers, such as collagen, casein, albumin, and gelatin, starch, Starch system polymers, such as carboxymethyl starch and methyl hydroxypropyl starch, Methyl cellulose, ethyl cellulose, methyl hydroxypropylcellulose, Carboxymethyl cellulose, hydroxymethylcellulose, hydroxypropylcellulose, A nitrocellulose, cellulose sodium sulfate, carboxymethylcellulose sodium, Alginic acid system polymers, such as crystalline cellulose, cellulose type polymers in the end of cellulose, sodium alginate, and propylene glycol alginate, polyvinyl methyl ether, a carboxyvinyl polymer. Vinyl system polymers, such as an alkyl modification carboxyvinyl polymer, polyoxyethylene system polymers, Polyoxyethylene polyoxypropylene copolymer system polymers, sodium polyacrylate, There are inorganic system water soluble polymers, such as acrylic polymers, such as polyethylacrylate and polyacrylamide, polyethyleneimine, cation polymer, bentonite, RAPONAITO, and hectorite, etc. In this, coat formation agents, such as polyvinyl alcohol and a polyvinyl pyrrolidone, are also contained.

[0030]As an antimicrobial agent, benzoic acid, sodium benzoate, salicylic acid, carbolic acid, Sorbic acid, sorbic acid potassium salt, a paraoxybenzoic acid, the PARAKURORU metacresol, Hexachlorophene, a benzalkonium chloride, chloridation chlorhexidine, trichlorocarbanilide, sensitization matter, bis(2-pyridylthio 1-oxide)zinc, phenoxyethanol, isopropylmethyl phenol, etc. are mentioned.

[0031]As a PH regulator, L-menthol, camphor, etc. are mentioned as pick-me-ups, such as lactic acid, citrate, glycolic acid, succinic acid, tartaric acid, malic acid, potassium carbonate, sodium bicarbonate, and ammonium acid carbonate.

[0032]As animal origin and an extract from microorganism, for example Blood extracts, such as a swine

and a cow, A blood serum deproteinization extract, a spleen extract, Tori's egg component, a crest extract, a fish meat extract, A sepia, a kitchen, chitosan, a shell extract, a shell meat extract, royal jelly, A silk protein and its decomposition product or those derivatives, hemoglobin, or its decomposition product, Cow's milk, casein and its derivative or those decomposition products, lactoferrin, or its decomposition product, Collagen and its derivative or those hydrolyzates, elastin and its derivative, or those hydrolyzates, Animal origin extracts, such as the mammals, such as keratin and its derivative, or those decomposition products, birds, fishes, Mollusca, crustacean, shellfish, and Insecta; extracts from microorganism, such as yeast metabolite, fermentation metabolite, a yeast extract, a lactic-acid-bacteria extract, and a lactobacillus bifidus extract, are mentioned.

[0033]As a plant extract used except the (B) ingredient of this invention, Asparagus, madder, AKABUDOU, Mallotus japonicus, an akebi, Asa, A morning glory, an azuki bean, cube gambir, Hydrangeae dulcis folium, Gynostemma pentaphyllum, a Japanese knotweed, A fig, a ginkgo tree, ylang ylang, a prunella, a plum, a bearberry leaf, Satsuma orange, Siberian ginseng, Cassia obtusifolia, a Japanese pagoda tree, a pea, The psyllium, okra, an elecampane, demon GURUMI, Patrinia scabiosaefolia, a strawberry, An oyster, KAKIDOUSHI, a polygoni radix, a cashew, a valerian, a crow melon, A Chinese quince, guarana, a platycodi radix, a chrysanthemum, a Japanese catalpa, creak, Gymnema Sylvester, An agrimony, a guava, a Chinese matrimony vine, kudzu, a camphor tree, a chestnut, Spatholobus suberectus Dunn, A bay, cinnamon, Rubus chingii, pepper, coffee, Scrophularia buergeriana Miq., Colombo, sasanqua, a physalis radix, a crocus, a cherry, a pomegranate, a sophorae subprostratae radix, SAMPENZU, Sion, a Japanese iris, a watermelon, a stevia, a Japanese plum, SEIYOUKIZUTA, A pear, Achillea millefolium, a juniper, horseradish, Acorus gramineus, an auction, senega, a senna leaf, rhei rhizoma, a sour orange, a tamarind, a fatsia, a dandelion, chicory, caryophylli flos, Schizandra chinensis, chuling, Oenothera erythrosepala, Centella asiatica, a dayflower, Crna, TEUCHIGURUMI, tow cancer, TOCHUU, Abelmoschus monihot, shepherd's purse, a Chinese citron, a nandina, picrasma wood, a milfoil, A pineapple, a hibiscus, a papaya, basil, a lotus, a rye, A blackberry lily, a peanut, Isodon japonicus, a waterchestnut, a pistachio, Khiva, Agaricus blazei, Angelica Dahurica Root, a loquat, a coltsfoot, Rhus javanica, a thoroughwort, a blueberry, Ledebouriella, a winter cherry, Magnolia hypoleuca, a Japanese quince, Rosa x maikai, a mahuang, a mango, A varnished conk, Bupleurum, a loosestrife, Japanese honewort, a mimosa, a melilot, A melon, Magnolia quinquepeta, peach RUDIKA gross BENORII, mulukhiya, bean sprouts, Alpiniae fructus, Leonuri Herba, a cornflower, a coconut, YASHAJITSU, a mistletoe, Polygonum hydropiper, a climax burdock, a bayberry, YUZURIHA, sage brush, rye wheat, a run, Euphoria longana, an apple, a lychee, a forsythia fruit, etc. are mentioned.

[0034]as vitamins -- vitamin P [, such as vitamin K; ERIO citrins, such as vitamin F; phytonadiones, such as linolenic acid and its derivative, menaquinone, menadione, and menadiol, and hesperidin,]; -- in addition to this, biotin, a cull thynnine, ferulic acid, etc. are mentioned.

[0035]As amino acid, a glycine, an alanine, valine, isoleucine, Serine, threonine, aspartic acid, glutamic acid, asparagine, Glutamine, lysine, hydroxylysine, arginine, cystine, methionine, Amino acid derivatives, such as amino acid, such as phenylalanine, tyrosine, proline, hydroxyproline, ORUCHININ, citrulline, and theanine, those derivatives and those salts, or pyrrolidone carboxylic acid, or the derivative of those is mentioned. As a nucleic acid related compound, a deoxyribonucleic acid and its salt, adenosine triphosphate, The adenylic acid derivatives chosen from adenosine diphosphate and adenosine monophosphate, and those salts, Ribonucleic acid and its salt, cyclic AMP, cyclic GMP,

flavin adenine dinucleotide, Estradiol, ethenylestradiol, etc. are mentioned as caffeine which is guanine, adenine, cytosine, thymine, xanthins, and those derivatives, theophyllines and those salts, and hormone. Lipase, papain, etc. are mentioned as an enzyme.

[0036]As a circulation accelerator, nonylic acid WARENIRU amide, capsaicin, a zingerone, Cantharides tincture, ichthammol, alpha-borneol, inositol hexanicotinate, As skin astringents, such as cyclandelate, cinnarizine, tolazoline, acetylcholine, verapamil, cepharanthin, and *-oryzanol, tannic acid etc. are mentioned and sulfur, a triane trawl, etc. are mentioned as an antiseborrheic drug.

[0037]As an active oxygen remover, sault peroxy Dodis mutase, mannitol, histidine, tryptophan, bilirubin, quercetin, quercitrin, catechin, a catechin derivative, rutin and its derivative, gallic acid, its derivative, etc. are mentioned.

[0038]

[Example]Next, although the example of an examination and an example are given and this invention is explained still in detail, this invention is not restrained at all by these.

[0039]Reference example 1 The manufacture Moutan bark (button) of a plant extract, a coix seed (Coix lacryma-joli), 50% (v/v) of hydrous concentration ethyl alcohol or a 50%(v/v)1,3-butylene glycol was added to the althea and Artemisiae capillaris flos (Artemisia capillaris), after performing extraction for three days at a room temperature, it filtered, and the extract was obtained.

[0040]Example of examination 1 The regions of back of the vanishing effect (test method) brown guinea pig (each ten groups) to guinea pig skin ultraviolet-rays inducement pigmentation were shaved, the ultraviolet rays of the UV-B field were irradiated with the minimal erythema dose (MED) a total of 4 times every two days once per day, and pigmentation was derived. The vanishing effect over pigmentation was investigated by carrying out continuation spreading of the sample (what dissolved drugs in ethanol 50% (v/v)) shown in Table 1 over a bis die and four weeks to this pigmentation part. Visual evaluation performed evaluation in accordance with the following valuation bases.

[0041](Presentation)

[Table 1]

試料	試料中の配合量 (%)				
	リネール アスコルビル ゲネシム * 1	参考例 1 の 植物抽出物 * 2	グリチルチン酸 ジカリウム * 3	dl- α - トコフェロール * 4	2-ヒドロキシ 4-メトキシベン ゼンフェノール-5- 硫酸ナトリウム * 5
1, 2	0.5	1.0	0.1	—	—
3, 4	0.5	1.0	—	0.01	—
5, 6	0.5	1.0	0.1	0.01	—
7, 8	0.5	1.0	0.1	—	2.0
9, 10	0.5	1.0	0.1	0.01	2.0
11, 12	0.5	—	—	—	—
13, 14	0.5	1.0	—	—	—
15, 16	0.5	—	0.1	—	—
17, 18	0.5	—	—	0.01	—
19, 20	0.5	1.0	—	—	2.0

* 1 和光純薬社製

* 2 参考例 1 で製造したもの

試料 1、3、5、7、9、13、19

アルテア抽出物 (50%1, 3-ブチレングリコール抽出物)

試料 2、4、6、8、10、14、20

インチンコウ抽出物 (50%エタノール抽出物)

* 3 丸善製薬社製

* 4 エーザイ社製

* 5 メルク社製

[0042]

(Valuation basis)

[Score] [State]

0: Pigmentation is not accepted at all. 1: Pigmentation is accepted very only. 2: Although pigmentation is accepted, the boundary with a non-irradiated part is ambiguous. 3: Pigmentation is accepted and the boundary with a non-irradiated part is clear.[0043]In accordance with the above-mentioned valuation basis, it counted how many guinea pigs in which each marks are one or less point there were among ten animals, and judged in accordance with the following judging standards. The result is shown in Table 2.

[0044]

(Judging standard)

< seal Inside of constant > < ** > The number of guinea pigs of one or less marks is eight or more

animals among ten higher efficacy.

The numbers of guinea pigs of one or less marks are six animals - seven animals among effective ten animals.

Slightly effective The numbers of guinea pigs of one or less marks are four animals - five animals among ten animals.

The number of guinea pigs of one or less marks is three or less animals among ten invalidity.

[0045](Result)

[Table 2]

試 料	色素沈着消退効果	試 料	色素沈着消退効果
1	有効	11	やや有効
2	有効	12	やや有効
3	有効	13	やや有効
4	有効	14	やや有効
5	著効	15	やや有効
6	著効	16	やや有効
7	著効	17	やや有効
8	著効	18	やや有効
9	著効	19	やや有効
10	著効	20	やや有効

[0046]As shown in the result of Table 2, when the samples 1-10 which combined the ultraviolet-rays protective agent with phosphoric acid-L-ascorbyl magnesium, the plant extract, and a kind of the drug effect agent chosen from an anti-inflammatory agent and an anti-oxidant further applied these to the skin, it became clear that a coloring matter vanishing effect is shown.

[0047]One to comparative-example [Example 1 (this invention article 1-4) and] 6 cream: Cream was prepared by the presentation and the following process which are shown in Table 3, and the whitening effect was investigated. This result is also collectively shown in Table 3.

[0048](A presentation and a result)

[Table 3]

成分 (%)	本 発 明 品				比 較 例					
	1	2	3	4	1	2	3	4	5	6
(1) ミツロウ	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
(2) セタノール	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
(3) 還元ワノリン	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
(4) スクワラン	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
(5) グリセリンモノステアレート	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
(6) 硬脂酸モノステアリン酸グリセリン	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
(7) ポリオキシエチレンソルビタンモノラウリン酸エステル (20E.0.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
(8) 脂肪酸抽出物 * 1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
(9) ボタンビ抽出物 * 2	0.5	0.5	0.5	0.5	—	0.5	—	—	—	0.5
(10) ヨクイニン抽出物 * 3	0.5	0.5	0.5	0.5	—	0.5	—	—	—	0.5
(11) グリチルレチン酸ステアリル * 4	0.2	—	0.2	—	—	—	0.2	—	—	—
(12) 荷重-d l- α -トコフェロール * 5	—	0.2	—	0.2	—	—	—	0.2	—	—
(13) 4- α -ヒドロキシベンゾイルメタン * 6	—	—	1.0	1.0	—	—	—	—	1.0	1.0
(14) 防腐剤	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
(15) 香料	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
(16) 精製水	残量	残量	残量	残量	残量	残量	残量	残量	残量	残量
< 美 白 効 果 >										
有 効	13	13	15	15	4	5	6	7	7	9
やや有効	2	2	0	0	11	10	9	8	8	6
無 効	0	0	0	0	0	0	0	0	0	0

- * 1 ニテレイ社製
- * 2 参考例 1 で製造したもの (50%1, 3-ブチレングリコール抽出物)
- * 3 参考例 1 で製造したもの (50%エタノール抽出物)
- * 4 丸善製薬社製
- * 5 日本ロシュ社製
- * 6 ジボダン社製

[0049](Process)

A. Mix and heat ingredient (1) - (7) and (11) - (14), and keep at 70 °C.

B. Mix and heat an ingredient (16) and keep at 70 °C.

C. B was added to A, after mixing, ingredient (8) - (10) and (15) were added, and it mixed, it cooled, and cream was obtained.

[0050](Test method) 15 women aged [per subject cream] from 25 to 56 were made into a group, and the optimum dose of subject cream was applied to the face after washing its face over 2 times, a morning and night, and 12 weeks every day. The following standards estimated the whitening effect by spreading.

[0051](Valuation basis)

inside of <evaluation> < ** > -- an owner -- Effect The dullness of skin stopped being conspicuous.

Slightly effective The dullness of skin stopped being not much conspicuous.

Nothing With an effect use front and no change.

[0052]As shown in the result of Table 3, the cream which combined a kind of the drug effect agent

chosen from the whitening agent, the plant extract and the anti-oxidant, and anti-inflammatory agent which are represented by this invention article 1-4, and also the ultraviolet-rays protective agent, By applying these to the skin, it became clear prevention of generating of "dullness" etc. of skin and to be able to improve and to consider it as a beautiful skin.

[0053]Example 2 face toilet: Face toilet was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) glycerin 5.0(2)1,3-butylene glycol . 6.5(3) polyoxyethylene (20E.O.) sorbitan . 1.2 mono- laurate ester (4) ethyl alcohol . 8.0(5) oolong tea extract *1 1.0 (6) seaweed-extract *2 1.0(7) phosphoric-acid-L-ascorbyl magnesium *3 0.5(8)2-hydroxy-4-methoxybenzophenone 5-sodium sulfate *4 1.0 (9) epsilon-aminocaproic-acid *5. 0.2 (10) antiseptics Optimum dose (11) perfume Optimum dose (12) purified water Residue *1 Maruzen Pharmaceuticals Co., Ltd. make *2 ICHIMARU PHARCOS CO., LTD. make *3 Wako Pure Chem make *4 Merck Co. make *5 Sigma company make[0054](Process)

A. Carry out the mixture solution of an ingredient (3), (4), (10), and (11).

B. Carry out the mixture solution of ingredient (1), (2), (5), and (6) - (9) and (12).

C. A and B were mixed, it was made uniform and face toilet was obtained.

[0055]Example 3 face toilet: Face toilet was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) glycerin 5.0(2)1,3-butylene glycol . 6.5(3) polyoxyethylene (20E.O.) sorbitan . 1.2 mono- laurate ester (4) ethyl alcohol . 8.0(5) Moutan-bark extract *1 0.02(6) peony extract *2 0.02(7) glove lysine *3 0.005(8)2-hydroxy-4-methoxybenzophenone *4 1.0 (9) pyridoxine-hydrochloride *5 0.005 (10) antiseptics . It is (11) perfume in proper quantity. Optimum dose (12) purified water Residue *1 [*5 by a sigma company / Wako Pure Chem make] Thing *2 manufactured by the reference example 1 Thing *4 which carried out separation refinement from *3 licorice extract by an Inahata perfume company

[0056](Process)

A. Carry out the mixture solution of an ingredient (3), (4), (8), (10), and (11).

B. Carry out the mixture solution of an ingredient (1), (2), (5) - (7), (9), and (12).

C. A and B were mixed, it was made uniform and face toilet was obtained.

[0057]Example 4 milky lotion: The milky lotion was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) polyoxyethylene (10E.O.) sorbitan . 1.0 monostearate (2) polyoxyethylene (60E.O.) sorbitol 0.5 -- tetra oleate (3) glyceryl monostearate 1.0 (4) stearic acid 0.5 (5) behenyl alcohol 0.5 (6) squalane . Bud extract *1 of 8.0 (7) Buna 2.0 (8) grape-extract *2 2.0(9) comfrey extract *3 2.0 (10) dipotassium-glycyrrhizinate *4 0.02 (11) L-ascorbyl sulfate 2-sodium *5. 1.0 (12) carboxyvinyl polymers . 0.1 (13) sodium hydroxide 0.05 (14) ethyl alcohol 5.0 (15) purified water Residue (16) antiseptic Optimum dose (17) perfume Product *made by optimum dose *1 GATEHOSE 2 ICHIMARU PHARCOS CO., LTD. make *3 Maruzen Pharmaceuticals Co., Ltd. make *4 Maruzen Pharmaceuticals Co., Ltd. make *5 Made in Nikko Chemicals[0058](Process)

A. Ingredient (10) Heating mixing of - (15) is carried out, and it keeps at 70 **.

B. Ingredient (1) Heating mixing of - (6) and (16) is carried out, and it keeps at 70 **.

C. Add A to B, mix and emulsify uniformly.

D. After-cooling (7) - (9) and (17) were added, C was mixed uniformly, and the milky lotion was obtained.

[0059]Example 5 milky lotion: The milky lotion was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) polyoxyethylene (10E.O.) sorbitan . 1.0 monostearate (2) polyoxyethylene (60E.O.) sorbitol 0.5 -- tetra oleate (3) glyceryl monostearate 1.0 (4) stearic acid 0.5 (5) behenyl alcohol 0.5 (6) squalane . 6.0 (7) jojoba-oil *1 5.0(8) tetraisopulmitic acid L - ASUKORUBIRU*2 2.0 (9) barley-extract *3 0.1 (10) ginseng extract *3 0.1 (11) D-Panthenol *4 0.1 (12) retinol-palmitate *5. 0.01 (13) antiseptics 0.1 (14) carboxyvinyl polymers 0.1 (15) sodium hydroxide 0.05 (16) ethyl alcohol 5.0 (17) purified water Residue (18) perfume *2 by an optimum dose *1 higher-alcohol industrial company. Japanese surfactant company make *3 Taegu Noble *4 Maruzen Pharmaceuticals Co., Ltd. make *5 Sigma company make *6 Nippon Roche make[0060](Process)

A. An ingredient (11) and (14) Heating mixing of - (17) is carried out, and it keeps at 70 **.

B. Ingredient (1) Heating mixing of - (8), (12), and (13) is carried out, and it keeps at 70 **.

C. Add A to B, mix and emulsify uniformly.

D. The ingredient (9), (10), and (18) was added after cooling, C was mixed uniformly, and the milky lotion was obtained.

[0061]Example 6 ointment: Ointment was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) stearic acid 18.0 (2) cetanols . 4.0 (3) triethanolamines 2.0 (4) glycerin . 5.0(5) nettle extract *1 0.05 (6) white-thorn extract *2 0.05(7) Tilia miqeliana extract *3 0.05(8)N,N'-diacetyl cystine dimethyl *4 0.01 (9) tranexamic acid *5 0.2 (10) purified water . Residue *1 Maruzen Pharmaceuticals Co., Ltd. make *2 Maruzen Pharmaceuticals Co., Ltd. make *3 Maruzen Pharmaceuticals Co., Ltd. make *4 sigma company make *5 Sigma company make[0062](Process)

A. Carry out heating mixing of a part of ingredient (3), (4), and (10), and keep at 75 **.

B. Carry out heating mixing and keep the ingredient (1) and (2) at 75 **.

C. Add A to B gradually.

D. (5) - (9) dissolved with the remainder of the ingredient (10) was added cooling C, and ointment was obtained.

[0063]Example 7 gel ointment: Gel ointment was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) carboxyvinyl polymer . 1.0 (2) triethanolamines 1.0(3)1,3-butylene glycol 10.0 (4) chamomile-extract *1 0.5 (5) aloe-extract *2 0.5 (6) allantoin *3 1.0(7) phosphoric-acid-L-ascorbyl magnesium *4. 2.0(8)2-hydroxy-4-methoxybenzophenone -5-sodium sulfate *5 3.0 (9) purified water Residue *1 A.M.I company make *2 Maruzen Pharmaceuticals Co., Ltd. make *3 Wako Pure Chem make *4 Wako Pure Chem make *5 Merck Co. make[0064](Process)

A. An ingredient (1) and (3) The mixture solution of - (9) is carried out.

B. The ingredient (2) was added to A, and it mixed, and was made uniform, and gel ointment was obtained.

[0065]Example 8 gel ointment: Gel ointment was prepared by the formula and the following process

which are shown below.

(Formula) (%)

(1) Carboxyvinyl polymer 1.0 (2) triethanolamines 1.0 (3) 1, three butylene glycols 10.0 (4) Mulberry-bark-extract *1 0.01(5) coix-seed extract *2 0.01 (6) placenta-extract *3. 2.0 (7) dibutylhydroxytoluene *4 0.02 (8) resorcinol *5 1.0 (9) purified water Residue *1 Maruzen Pharmaceuticals Co., Ltd. make *2 [*5 by a sigma company / Sigma company make] Thing *3 manufactured by the reference example 1 *4 by NICHIREI CORP.[0066](Process)

A. An ingredient (1) and (3) The mixture solution of - (9) is carried out.

B. The ingredient (2) was added to A, and it mixed, and was made uniform, and gel ointment was obtained.

[0067]Example 9 cream: Cream was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) polyoxyethylene (40E.O.) monostearate . 2.0 (2) glycerol monostearate (self-emulsification type). 5.0 (3) stearic acid 5.0 (4) behenyl alcohol . 0.5. (5) squalane 15.0(6) isooctane acid Sept Iles . 5.0(7)1,3-butylene glycol . 5.0(8) wheat-germ extract *1 0.1(9) Betula-alba extract *2 0.1 (10) creeping-saxifrage extract *3 0.2 (11) L-ASUKO kana roux 2-sodium phosphate *4 1.0 (12) Para methoxycinnamic acid-2-ethylhexyl *5. 5.0 (13) riboflavin *6 0.05 (14) cystein *7 0.1 (15) purified water Residue (16) antiseptic Optimum dose (17) perfume optimum dose *1 Narikazu -- transformation -- shrine *2 Maruzen Pharmaceuticals Co., Ltd. make *3 ICHIMARU PHARCOS CO., LTD. make *4 -- sigma company make *5. BASF company make *6 Sigma company make *7 It diluted with water and cystein (made by Wako Pure Chem) was used so that it might become [ml] in 1.0mg /.

[0068](Process)

A. Ingredient (1) The heating and dissolving of - (6), (12), and (16) are carried out at 70 **.

B. Heat the ingredient (7), (11), and (15) at 70 **.

C. Cool after ***** which adds A to B.

D. Ingredient (8) - (10), (13), (14), and (17) were added to C, and cream was obtained.

[0069]Example 10 cream: Cream was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) polyoxyethylene (40E.O.) monostearate . 2.0 (2) glycerol monostearate (self-emulsification type). 5.0 (3) stearic acid 5.0 (4) behenyl alcohol . 0.5. (5) squalane 15.0(6) isooctane acid Sept Iles . 5.0(7)1,3-butylene glycol . 5.0(8) fennel extract *1 0.2(9) sophorae-radix extract *2 0.2 (10) zizyphi-fructus extract *3 0.2 (11) nicotinic acid - dl-**-tocopherol*4 0.001 (12) glutathione *5 0.5 (13) antiseptics . It is (14) purified water in proper quantity. Residue (15) perfume Optimum dose *1 Maruzen Pharmaceuticals Co., Ltd. make *2 Maruzen Pharmaceuticals Co., Ltd. make *3 Maruzen Pharmaceuticals Co., Ltd. make *4 Eisai Co., Ltd. make *5 Sigma company make[0070](Process)

A. Ingredient (1) The heating and dissolving of - (6), (11), and (13) are carried out at 70 **.

B. Heat the ingredient (7) and (14) at 70 **.

C. Add A to B.

D. Ingredient (8) - (10), (12), and (15) were added to C, it cooled, and cream was obtained.

[0071]Each of the face toilet of Examples 2 and 3, the milky lotion of Examples 4 and 5, ointment of Example 6, gel ointment of Examples 7 and 8, and cream of Examples 9 and 10 by excelling in temporal

stability and applying to the skin, While preventing generating of "dullness" etc. of skin, pigmentation, such as silverfish, is also improvable and it is made a beautiful skin with a transparent feeling.

[0072]Example 11 facial liquid foundation: Facial liquid foundation was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) lanolin 7.0 (2) liquid paraffins . 5.0 (3) stearic acid 2.0 (4) cetanols . 1.0(5) macadamia-nuts oil *1 5.0 (6) althea extract *2 0.5(7) quince extract *3 0.5 (8) glycerin 5.0 (9) triethanolamines 1.0 (10) carboxymethyl cellulose 0.7 (11) purified water . residue (12) mica 15.0 (13) talc . 6.0 (14) titanium oxide 3.0 (15) color pigments . 6.0 (16) dipalmitate L - ASUKORUBIRU*4. 0.1 (17) D-Panthenol *5 0.01 (18) 4-t-butyl-4'- Methoxydibenzoylmethane *6 3.5 (19) glutathione *7 0.005 (20) antiseptics Optimum dose (21) perfume Optimum dose *1 *2 by a Japanese surfactant industrial company. Thing *3 [Sigma company make] manufactured by the reference example 1 *4 by a scent Shigeki business company *6 by Japanese surfactant company make *5 Nippon Roche *7 by Givaudan S.A.[0073]

(Process)

- A. Ingredient (1) The mixture solution of - (5), (16), (18), and (20) is carried out.
- B. Add ingredient (12) - (15) to A, and mix uniformly.
- C. Ingredient (8) - (11) and (17) are dissolved uniformly, and it keeps at 70 **.
- D. Add C to B and emulsify uniformly.
- E. After cooling, an ingredient (6), (7), (19), and (21) were added for D, and facial liquid foundation was obtained.

[0074]Example 12 facial liquid foundation: Facial liquid foundation was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) lanolin 7.0 (2) liquid paraffins . 5.0 (3) stearic acid 2.0 (4) cetanols . 1.0 (5) sunflower-oil *1 1.0 (6) glycerin . 5.0 (7) triethanolamines 1.0 (8) carboxymethyl cellulose 0.7 (9) purified water Residue (10) mica 15.0 (11) talc 6.0 (12) titanium oxide 3.0 (13) color pigments 6.0 (14) tea extract *2. 0.5 (15) torr MENCHIRA extract *3 0.5 (16) tetraisopulmitic acid L - ASUKORUBIRU*4 0.02 (17) stearyl glycyrrhetic acid *5 0.1 (18) antiseptics 0.5 (19) perfume Optimum dose *2 by *1 Ajinomoto Co., Inc. ICHIMARU PHARCOS CO., LTD. make *3 Maruzen Pharmaceuticals Co., Ltd. make *4 Japan surfactant company make *5 Maruzen Pharmaceuticals Co., Ltd. make[0075](Process)

- A. Carry out the mixture solution of ingredient (1) - (5) and (16) - (18).
- B. Add ingredient (10) - (13) to A, and mix uniformly.
- C. Ingredient (6) - (9) is dissolved uniformly and it keeps at 70 **.
- D. Add C to B and emulsify uniformly.
- E. D was added after cooling and for the ingredient (14), (15), and (19), and facial liquid foundation was obtained.

[0076]The milky lotion for example 13 sunscreen: The milky lotion for sunscreen was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) stearic acid 2.0 (2) cetanols . 1.0(3) monooleic acid polyoxyethylene sorbitan . (20E.O) 0.5 (4) sorbitan sesquioleate . 0.5(5) Para methoxycinnamic acid-2-ethylhexyl *1. 8.0(6)2-ethylhexanoic acid Sept Iles 12.0(7)1,3-butylene glycol 10.0 (8) carboxyvinyl polymers 0.2 (9) triethanolamines 0.5 (10) peppermint extract *1 0.02 (11) Angelica keiskei extract *2. 0.02 (12) licorice-extract *3 0.02 (13)

placenta-extract *4 0.3 (14) acetic acid - dl-**-tocopherol*5 0.2 (15) purified water Residue (16) antiseptic Optimum dose (17) titanium oxide 3.0 (18) perfume . Proper quantity *1 Maruzen Pharmaceuticals Co., Ltd. make *2 ICHIMARU PHARCOS CO., LTD. make *3 Maruzen Pharmaceuticals Co., Ltd. make *4 NICHIREI CORP. make *5 Eisai Co., Ltd. make[0077](Process)
 A. Ingredient (1) Heating mixing of - (6), (14), (16), and (17) is carried out, and it keeps at 75 **.
 B. Ingredient (7) Heating mixing of - (9) and (15) is carried out, and it keeps at 75 **.
 C. Add A to B gradually.

D. Ingredient (10) - (13) and (18) were added cooling C, and the milky lotion for sunscreen was obtained.

[0078]The milky lotion for example 14 sunscreen: The milky lotion for sunscreen was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) stearic acid 2.0 (2) cetanols . 1.0(3) monooleic acid polyoxyethylene sorbitan . (20E.O) 0.5 (4) sorbitan sesquioleate . 0.5(5)2-ethylhexanoic acid Sept Iles . 12.0(6) Xia fat *1 2.0 (7) sesame-oil *2. 1.0 (8) Scutellaria-root extract *3 0.1(9) Geranium thunbergii Sieb. etZucc. extract *4 0.1 (10) ergocalciferol *5 0.1 (11) phosphoric-acid-L-ascorbyl magnesium *6 3.0 (12) Para methoxycinnamic acid-2-ethylhexyl *7. 8.0 (13) 2-hydroxy-4-methoxybenzophenone *8 2.0 (14) 1,3-butylene glycol 10.0 (15) carboxyvinyl polymers 0.2 (16) purified water Residue (17) antiseptic Optimum dose (18) titanium oxide . 3.0 (19) triethanolamines 0.5 (20) perfume Optimum dose *1 ICHIMARU PHARCOS CO., LTD. make *2 Nisshin Oil Mills, Ltd. make *3 ICHIMARU PHARCOS CO., LTD. make *4 Maruzen Pharmaceuticals Co., Ltd. make *5 sigma company make *6 Wako Pure Chem make *7 BASF company make *8 Sigma company make[0079](Process)

A. Ingredient (1) Heating mixing of - (7), (10), (12), (13), (17), and (18) is carried out, and it keeps at 75 **.

B. Carry out heating mixing of an ingredient (11), (14) - (16), and (19), and keep at 75 **.

C. Add A to B gradually.

D. (8), (9), and (20) were added cooling C, and the milky lotion for sunscreen was obtained.

[0080]Each of facial liquid foundations of Examples 11 and 12 and milky lotions for sunscreen of Examples 13 and 14 is excellent in temporal stability, and prevents the melanism and silverfish of skin by suntan etc. by applying these to the skin.

[0081]Example 15 pack: The pack was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) Polyvinyl alcohol 20.0 (2) ethyl alcohol 20.0 (3) glycerin 5.0 (4) kaolin 6.0(5) common-mallow extract *1 0.05(6) grapefruit extract *2 0.05(7) lily extract *3. 0.05 (8) resorcinol *4 0.02 (9) riboflavin *5 0.1 (10) tranexamic-acid *6 The 0.5 (11) antiseptic 0.2 (12) perfume 0.1 (13) purified water Residue *1 Maruzen Pharmaceuticals Co., Ltd. make *2 *3 by Maruzen Pharmaceuticals Co., Ltd. Product *made by GATEHOSE 4 sigma company make *5 sigma company make *6 Sigma company make [0082](Process)

A. Mix ingredient (1), (3), (4), and (8) - (10) and (13), and heat and agitate at 70 **.

B. Mix the ingredient (2) and (11).

C. The above-mentioned B was added to previous A, after mixing, it cooled, (5) - (7) and (12) were distributed uniformly, and the pack was obtained.

[0083]Pigmentation, such as silverfish, is also improvable and the pack of Example 15 is used as a beautiful skin with a transparent feeling while it prepares the texture of the skin and prevents "dullness" of skin by excelling in temporal stability and applying to the skin.

[0084]The charge of example 16 washing: The charge of washing was prepared by the formula and the following process which are shown below.

(Formula) (%)

(1) stearic acid 10.0 (2) pulmitic acid . 8.0 (3) myristic acid 12.0 (4) lauric acid . 4.0 (5) oleyl alcohol 1.5 (6) purified lanolin . 1.0 (7) astaxanthin *1 0.005 (8) perfume . 0.1 (9) antiseptics 0.2 (10) glycerin . 18.0 (11) potassium hydrates 6.0 (12) peach extract *2 0.5 (13) soapwort extract *3 0.5 (14) dipotassium-glycyrrhizinate *4 0.2 (15) pulmitic-acid L - ASUKORUBIRU*5 0.05 (16) purified water . Residue *1 sigma company make *2 Maruzen Pharmaceuticals Co., Ltd. make *3 ICHIMARU PHARCOS CO., LTD. make *4 Maruzen Pharmaceuticals Co., Ltd. make *5 Sigma company make[0085](Process)

A. Mix an ingredient (10), (11), (14), and (16), and heat at 70 **.

B. Ingredient (1) - (7), (9), and (15) are mixed, and it heats at 70 **.

C. The above-mentioned B was added to previous A, and it kept at 70 ** for a while, and cooled to 50 ** after completing a reaction, and the ingredient (8), (12), and (13) was added, it cooled, and the charge of washing was obtained.

[0086]The charge of washing of Example 16 is excellent in temporal stability, and is used as a clear beautiful skin by applying to the skin.

[0087]

[Effect of the Invention]In this invention, a whitening agent, a specific plant extract, an anti-inflammatory agent and/or an anti-oxidant, and also an ultraviolet-rays protective agent are contained. Therefore, the performance of a whitening agent which it originally has can fully be demonstrated.

That is, high depressor effect is demonstrated to pigmentation, the melanism of the skin by Japanese desperation etc., silverfish, and prevention and an improvement of a freckle, and the skin are somber, and it is effective in an improvement etc. Therefore, the skin external preparations of this invention are very useful in cosmetics or medical science.